

COATING COMPOSITION, ITS PRODUCTION METHOD, CURED ITEM, AND COATING FILM

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Abstract of JP2002371234

PROBLEM TO BE SOLVED: To provide a coating composition which is excellent in photocatalyst dispersibility, is excellent in storage stability even in a state of a high concentration, gives a coating film excellent in durability and adhesiveness, and has a photocatalytic function; and its production method.
SOLUTION: This coating composition contains (a) an organosilane which is represented by the formula: $(R<1>)_n Si(OR<2>)_{4-n}$ (wherein $R<1>$ is a 1-8C monovalent organic group; $R<2>$ is a 1-5C alkyl or acyl group; and n is 0, 1 or 2) provided the organosilane may be (a-1) a substituted derivative wherein n is 1 or 2 and $R<1>$ has at least one epoxy group or may be (a-2) one wherein $R<1>$ has no epoxy group, (b) an organosiloxane oligomer having SiO bonds, a specified wt. average mol.wt., and specific groups, (c) a polymer containing silyl groups having silicon atoms bonded to hydrolyzable groups and/or hydroxy groups, (d) a photocatalyst, and (e) an organic solvent having a surface tension at 20 deg.C of 260 μ N/cm or lower. A production method for the composition is also provided.

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